



WHERE THEY ARE MADE
IRON AGE FARM AND GARDEN
 IMPLEMENTS

BATEMAN M'F'G CO.,
GRENLOCH,

ESTABLISHED
 1880

New Jersey,
 U. S. A.



Tools are car-
 ried in stock
 in variety at
 all dealers.

Liberal stocks of similar tools for each vicinity
 are carried by the best class of implement and
 hardware dealers in the country.



Saving Vines and Trees
BY SPRAYING

INCREASES THE CROP

The Modern Way

**WITH MODERN
 MACHINERY**

FOR

THE TRUCK FARMER
 THE GENERAL FARMER
 THE HOME GARDENER
 THE ORCHARDIST
 THE POULTRYMAN

PUBLIC PARKS AND BUILDINGS

POTATOES

TOMATOES

CABBAGE

CUCUMBERS

ASPARAGUS

TORADO

COTTON

ORCHARDS

CANTALOUPE

STRAWBERRIES

OTHER SMALL

FRUITS



IF NOT HANDLED BY YOUR LOCAL DEALER, WRITE TO THE
 MANUFACTURER, WHERE TOOLS CAN BE SEEN AND EXPLAINED.

Go Klein's Bateman Mfg Co. Collection

IRON AGE MODERN SPRAYING MACHINES. They Do the Work in the Most Economical Way for All Progressive Men Who Want Better Conditions

The New Line

We have realized for some time that there is a general need for sprayers which can be adapted to the many small jobs around home and garden, in the small orchards, and on the small farms. To meet this need, we originated the

Horizontal Barrel Sprayer with the pump entirely outside. From this we worked out the balance of the new machines, including

Vertical and Bucket Sprayers, and combinations of all three, which make it easy for you to get just what you need. Also, smaller size No. 191 is about ready.

Several Hundred No. 190 Sprayers were sold during 1911 and a great many enthusiastic reports have come to us.

4 Row Attachments for each barrel sprayer help the man with a few acres of potatoes or other row crops—saves buying a larger machine or doing the work by hand.

The Necessity for Spraying is generally recognized by thinking men in all sections, but if fruit, potato and general farmers still need to be convinced, we refer them to the many Experiment Station reports which show how spraying not only saves the crop from disease and insects, but

Increases the Yield enough to pay for labor, material and machine, and leaves a nice extra profit over what might ordinarily be expected.

Potatoes must be protected against blight—it cannot be cured but should be prevented. Bugs, too, have to be fought with poison and quickly—a machine is necessary to do it right.

Tomatoes, Cucumbers, Asparagus, Tobacco, and other row crops must be sprayed for disease and insects.

Cantaloupe Picking Season has been known to be extended six or eight weeks through scientific spraying. Ask us for special formula. Strawberries and other small fruits, when sprayed, bring bigger yields and better fruit for a longer time.

The Orchardist will find in this book everything suited to his needs, except a power sprayer. By the time this booklet goes to press, we will have ready one of the finest power sprayers that a fruit man ever worked with.

Grain Field and General Weed Spraying is being done in a systematic way that is getting wonderful results.

Cotton's Enemy, the Army Worm, can be fought successfully with our Traction Sprayer. Ask us for copy of a very interesting letter on this subject.

The Poultryman can do his whitewashing thoroughly, quickly, and economically with whatever suits him in this line.

Solutions. Your nearest Experiment Station or the Agricultural Department at Washington will give you exact information as to what to use and how, or ask us about any problems of this kind which you have to solve.

We invite your attention to the following pages in hope that you will find there just what you need.

BATEMAN M'F'G CO.

GRENLOCH, NEW JERSEY, U. S. A.



IRON AGE No. 192 Bucket Pump Sprayer

For home trees, bushes, vines, etc., and for white washing buildings, cold water painting, washing windows and wagons and many other odd jobs where a small hand pump can be used economically but with good results.

100 pounds pressure easily maintained when spraying—operates with a lever and spray comes with a downward stroke.

Used in any kind of solution, hot or cold—the only parts that come in contact with the solution are brass and they cannot be corroded.

Candle wick packing is used in place of leather—it is easily and cheaply replaced when necessary—simply unscrew the stuffing box nut, lift the gland and put in new packing—nut screws down with

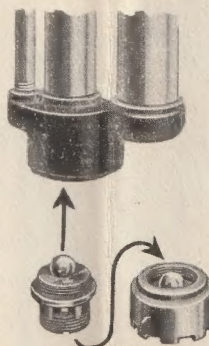
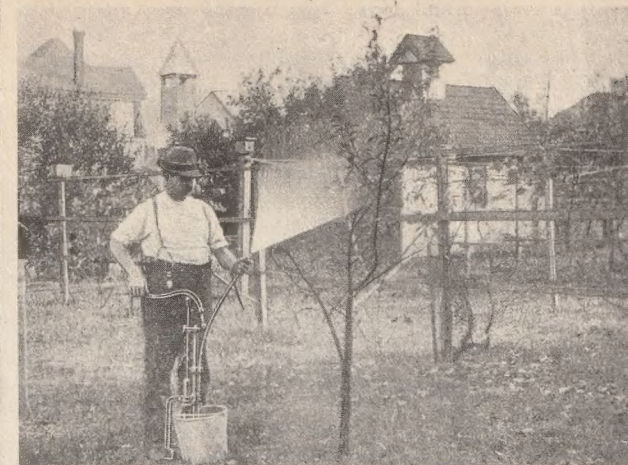


Fig. 403
Bronze ball valves showing removal and return to cylinder



Does your work thoroughly with the least trouble and expense.

No friction. Note clearance around the plunger—no internal packing on plunger to wipe inside of plunger cylinder and make continual wear with the grit which may be in the solution.

Brass and malleable iron construction throughout and careful fitting. Furnished with improved Vermorel nozzle and best quality half inch hose. Also

Extra cap indicated by arrow in Fig. 402, for washing wagons, windows, etc.

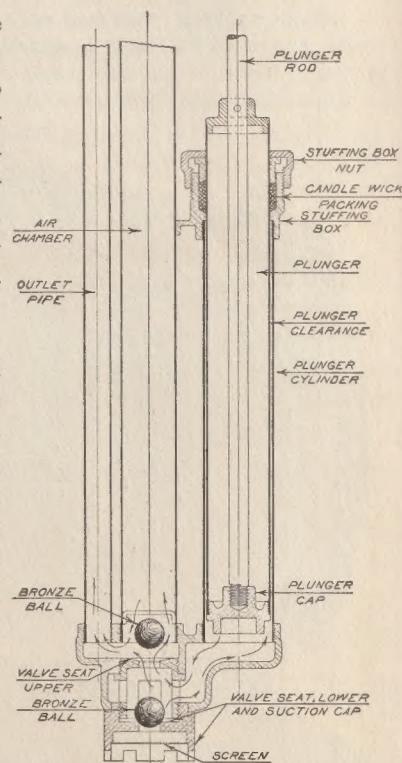


Fig. 404

Section of bucket pump. Note especially the packing and the valves—both easy to get at.

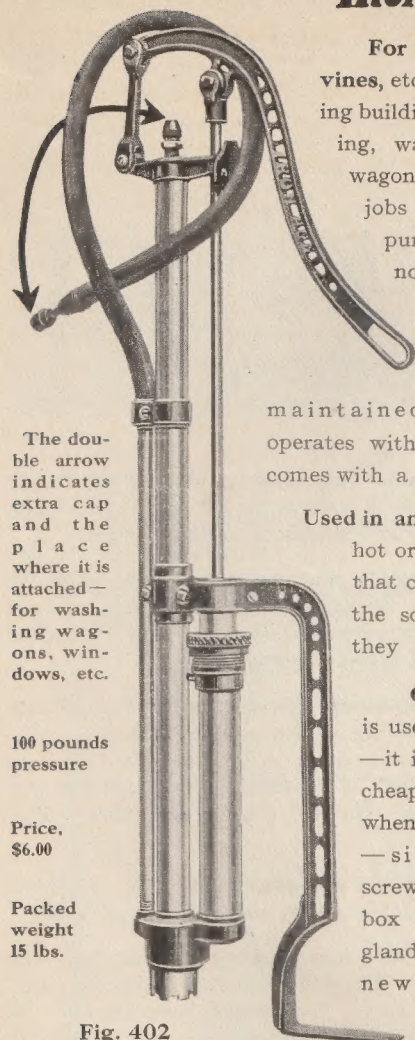


Fig. 402

The double arrow indicates extra cap and the place where it is attached—for washing wagons, windows, etc.

100 pounds pressure

Price, \$6.00

Packed weight 15 lbs.

even pressure (see Fig. 404)—this way is common to all "Iron Age" pumps. In other bucket pumps, the plunger must be removed to repack.

Bronze ball valves are used—to remove, unscrew suction cap (lower valve seat)—the upper valve seat is thus exposed and removed in same way. (See Fig. 403.) Other bucket pumps must have air chamber and plunger cylinder removed to get at the valves and it is difficult for the ordinary man to replace them without having leaks. No danger at all of leakage in any "Iron Age" pumps.

IRON AGE No. 190 Horizontal Barrel Sprayer

For small orchard or garden—for the man who cannot afford nor find use for the combination potato and orchard machine or the big power sprayer equipments.

Used in any wagon or cart, or on a sled—one horse is enough. Being mounted in a horizontal position on a platform or skid and held by same style adjustable hoops as on regular wood tank, this outfit is not easily upset, whether empty or filled.

Pump is outside. The convenient and natural way—saves the pump from corrosion, and is easy to get at and more pleasant to handle. Same pump in principle as on our traction sprayers. Double acting pump, Fig. 430, furnished if wanted—add letter "D" to number, as No. 190D.

100 to 125 pounds pressure with easy movement of the lever.

Hemp packing with lead core—leather wears and hardens, and is useless for this purpose. Easy to repack in same way as on all other "Iron Age" pumps.

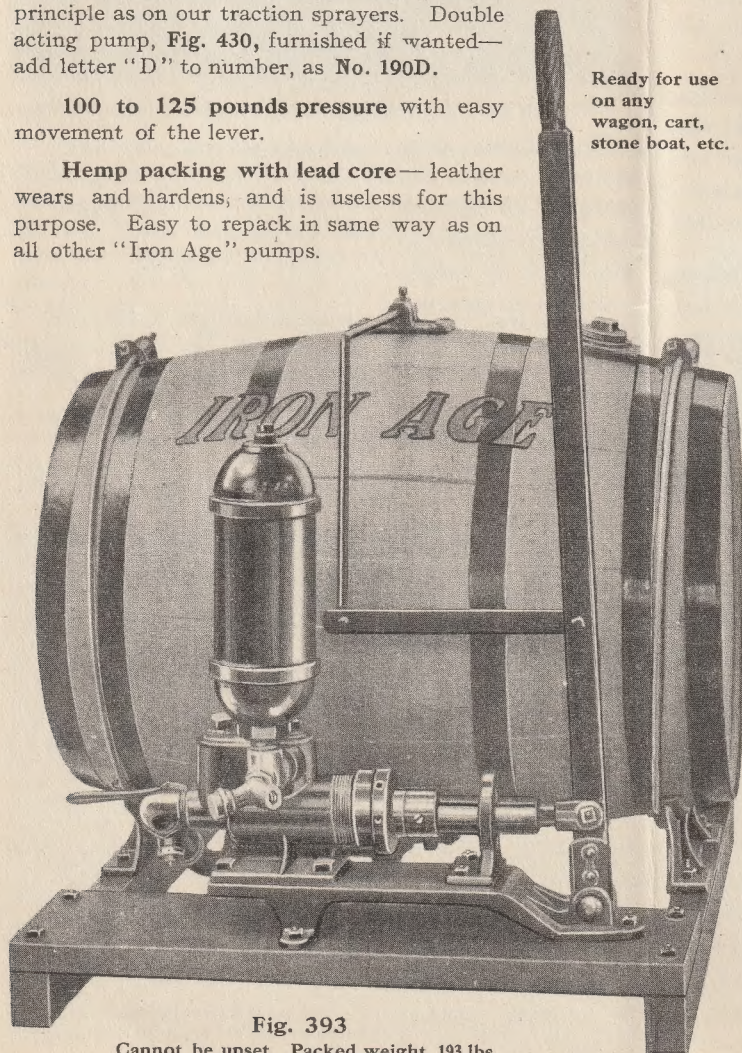


Fig. 393

Cannot be upset. Packed weight, 193 lbs.

Ready for use
on any
wagon, cart,
stone boat, etc.



Bronze ball valves only. Easy to get at. A small lever at the left turns the solution off when it is necessary to look at them.

Capacity and mixing. Barrel holds 50 gallons. Solutions are kept thoroughly mixed by a steel automatic dasher, which is the only part inside of the barrel.

Equipment. Each sprayer has double hose coupling so that either one or two leads of hose can be used. A No. 1 quality 4 ply hose is furnished as ordered. Each lead has our new nozzle Fig. 431, page 6, and strainer, Fig. 227, page 8.

Shipped self-contained. To make it ready, simply attach air chamber and lever.

Orchard attachment. Either Figs. 419 or 420, or Fig. 418, with pipe or bamboo rod, can be used. (See inside back cover.) If wanted with Bucket Strainer, add letter "B" to the number, as No. 190B.

Are sold in the following combinations:

No. 190, as in cut, Fig. 393	\$18.00
No. 1901, Fig. 393, with one lead, 15 feet, 1/2-inch discharge hose, one new Iron Age nozzle, one nozzle strainer.....	21.50
No. 1902, Fig. 393, with two leads, 15 feet each, 1/2-inch discharge hose, two new Iron Age nozzles, two nozzle strainers.....	25.00
With steel pipe rod, stop cock and necessary equipment for one lead of hose, add letter "R" to the number, as No. 1901R and to the price.....	2.00
With our regular Bucket Strainer, add letter "B" to the number, as No. 1902B and to the price	1.75

IRON AGE No. 1904-D Horizontal Barrel Wagon Sprayer

For the man with a few acres of potatoes or other row crops, a small orchard, or a garden—one who needs a moderate priced but complete outfit that will do all of his spraying.

The simplest arrangement possible for four rows and still do a thorough job. It is made up of No. 190D Horizontal Barrel Sprayer with double acting pump (see below) and the 4 Row Wagon Attachment shown solid in Fig.

421. The latter consists simply of iron piping, A1 quality 4 ply hose, and the necessary supports for wagon and on the barrel.

The solid parts in this cut show the 4-Row Attachment. The complete outfit has double acting pump. (Fig. 430.)

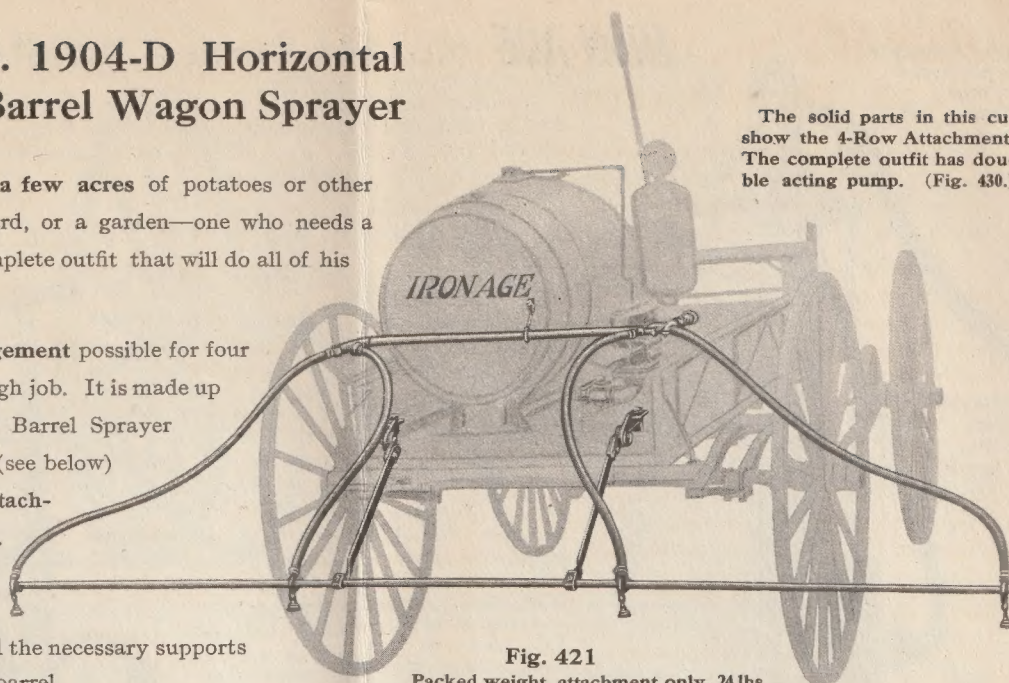


Fig. 421

Packed weight, attachment only, 24 lbs.

Adjustable for height of spray bar and for various width rows, from 2 to 3 feet apart, to suit conditions.

Equipment. Our new spray nozzles (Fig.

431, page 6) are supplied with this combination. The attachment will be sold separate if you already have the barrel equipment. Order as Fig. 421 for the attachment only.

No. 193 Double Acting Hand Spray Pump

If your customer has a barrel or tank in good condition and needs a new pump to complete his outfit or to replace an old pump, No. 193 will answer his purpose exactly. It is made to be shifted

about, and can be fastened anywhere—on a plank, skid, or bottom of sled or stone boat, or on a tank wagon.

It is a powerful pump, same as the one used in Fig. 421, and practically the same as on our traction field sprayer, except that it is a hand pump. 150 pounds pressure can be maintained easily, enough for one to four leads of hose.

Other Combinations of No. 190

No. 190D, Fig. 393, with Double Acting Pump (Fig. 430)	\$26.00
No. 1901D, Fig. 393, with Double Acting Pump and one lead of hose	29.50
No. 1902D, Fig. 393, with Double Acting Pump and two leads of hose	33.00
No. 1904D, Fig. 393, with Double Acting Pump and 4-row attachment (Fig. 421)	36.00
No. 193 Double Acting Spray Pump (Fig. 430)	20.00
4-Row Wagon Attachment (Fig. 421)	10.00

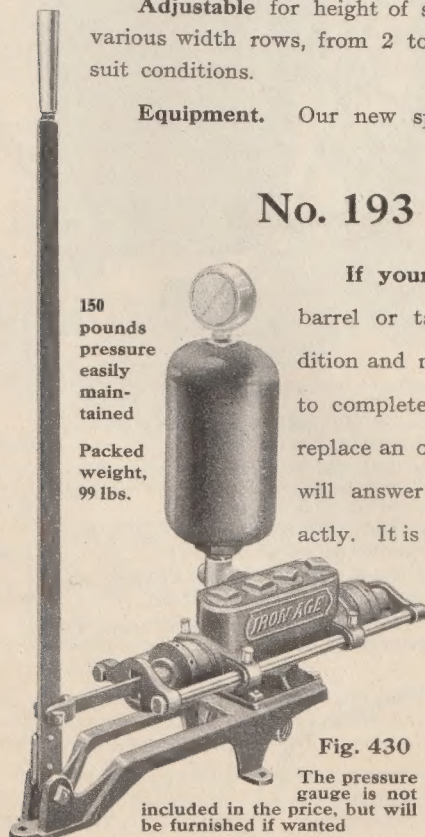


Fig. 430

The pressure gauge is not included in the price, but will be furnished if wanted

Can be attached
to any barrel
or used
with a
bucket

IRON AGE No. 191 Vertical Barrel Sprayer Pump

Another outfit for small orchard and for the garden. Answers same purpose as No. 190 but with different application.

Sold with or without the barrel. Can be attached to any barrel and is fastened to the side where the barrel is strongest.

Can be used in a bucket, if necessary. Suppose you are through with your spraying except one tree, a few bushes or have a small job such as a rose bush or two—a bucketful of solution will do the business—disconnect hose from suction pipe, drop it in the bucket and

Shipped
ready
to use

Fig. 401

No. 191
Price \$15.00
without barrel

Packed weight,
62 lbs.

go ahead. Most barrel outfits require two or three bucketfuls before they will draw—solution not used is wasted.

Outside pump—nothing inside except the suction pipe and automatic dasher which keeps solution stirred. The solution is screened at the bottom of the pipe.

Valves, packing and equipment. Same as on No. 190—see previous pages for description. Any kind of solutions handled, whether hot or cold.

No. 1914 Vertical Barrel Wagon Sprayer

Similar to outfit on page 3, except has vertical barrel and pump. Is adjustable in the same

Price \$28.50
Fig. 401 with barrel
and Fig. 422
Wagon
Attachment,

Price \$10.00
Attachment only

Fig. 422

Packed Weight,
Attachment only, 28 lbs.

way and is sold either as complete outfit (Fig. 422) with pump, barrel, and 4 Row Wagon Attachment (shown solid in the cut), or as an attachment only. If latter is wanted order Fig. 422.

No. 191T Vertical Barrel Sprayer and Truck

Ready transportation is the big advantage in this combination. It includes No. 191 Pump and our regular No. 2 Truck and Barrel, with truss rod and combination side irons for greater strength. The truck picks up the barrel, filled as it is with solution, and carries it wherever you wish, without much effort on your part, and without waste.

Equipment.

The No. 2 Truck has 2½ inch steel wheels but any of our trucks can be substituted at slight change in price. One or two leads of hose, 15 feet each, can be used as needed.

Price, No. 191T,
Fig. 423,
\$27.50

Packed
weight,
231 lbs.

Fig. 423

Prices of other Combinations of No. 191

No. 1911, Fig. 401, with one lead, 15 feet, ½-inch discharge hose, one new Iron Age nozzle and nozzle strainer..... \$18.50

No. 1912, Fig. 401, with two leads, 15 feet each, ½-inch discharge hose, two new Iron Age nozzles and nozzle strainers..... 22.00

No. 1911T, Fig. 423, with one lead of hose, one nozzle and one nozzle strainer..... 31.00

No. 1912T, Fig. 423, with two leads of hose, two nozzles, and two nozzle strainers..... 34.50

With steel pipe rod, stop cock and necessary equipment for one lead of hose, add letter "R" to the number, as No. 1911R, and to the price..... 2.00

With our regular Bucket Strainer, add letter "B" to the number, as No. 1911B, and to the price..... 1.75

IRON AGE No. (102) Traction Sprayer

For all field crops grown in rows—for the prevention of blight and for getting rid of the bugs.

Choice of equipment. Single or double acting pumps, 55 or 100 gallon wood or 55 gallon galvanized steel tanks, wood or steel wheels, combination pole and thills or either separate.

Wind shift attachment on each machine without extra charge, beginning with 1912. It is adjusted with the foot from the seat and enables the operator to put the spray just where he wants it, even though the wind is blowing.

Nozzle strainers, also, will be furnished on each traction sprayer without extra charge.

Single acting pump. Fig. 415. This is a new one, constructed similar to our double acting pump, the best of them all. It delivers the spray under high, steady pressure, helped by a large air chamber. Mounted on a heavy base that keeps the parts in perfect line. Has

Very little friction. The plunger enters the cylinder

Single acting pump
Price, pump only, \$20.00
Easy to get at the packing

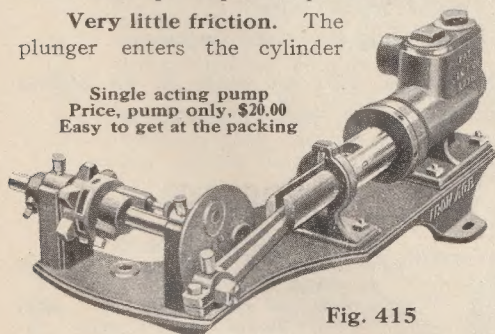


Fig. 415

squarely and works against the packing, not on the cylinder.

Packing and valves are same as described under No. 190 Barrel Sprayer, and as used on traction sprayers for many years. Only brass parts come in contact with solutions.

Other features include center drive, from both wheels at once, handy button gear clutch, and spring cap oil cups.

Large relief valve. Not only gives relief for too much pressure but helps to change fineness of the spray. Adjustable spring pressure makes it easy to regulate.

Double acting pump. While we consider our single acting pump the best on the market and capable of sufficient pressure for four rows with either single or double

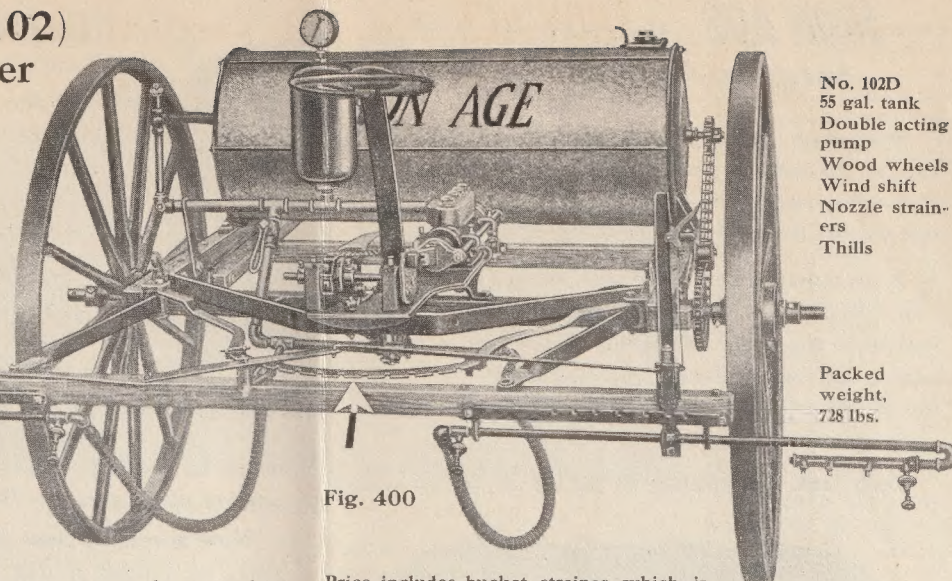


Fig. 400

No. 102D
55 gal. tank
Double acting
pump
Wood wheels
Wind shift
Nozzle strainers
Thills

Packed
weight,
728 lbs.

Price includes bucket strainer, which is sent with every traction sprayer

No. 102, same as Fig. 400, except with S. A. pump	\$73.00
No. 103, with S. A. pump and pole	75.00
No. 107, with S. A. pump and combination pole	76.00
No. 102D, Fig. 400, with D. A. pump	83.00
No. 103D, with D. A. pump and pole	85.00
No. 107D, with D. A. pump and combination pole	86.00
"B" spray bar equipment at same prices as above. (See page 6.)	

nozzles, we do not advise its use for more than 4 rows—it will force any single acting pump to the limit for four rows when vines become dense and heavy mixtures are used to prevent blight. In our double acting pump, we have

Double the capacity of any single acting pump, and greater power and less slippage than any other double acting pump. When its full power is not needed, it does its work more easily and

Lasts much longer than pumps that are always pushed to the utmost. Surplus power will save expense in the long run, although the first cost is greater. This is realized by practical men and accounts for our largely increased sales of double acting pumps.

Two strokes for one makes very high, steady pressure, which is registered on gauge furnished with each sprayer having double acting pump. In other respects it is the same as single acting pump described above.

Fig. 333

Solid parts show relief valve and where orchard attachment is put on
Shut off pump in direction of arrow

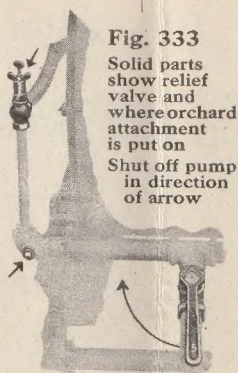
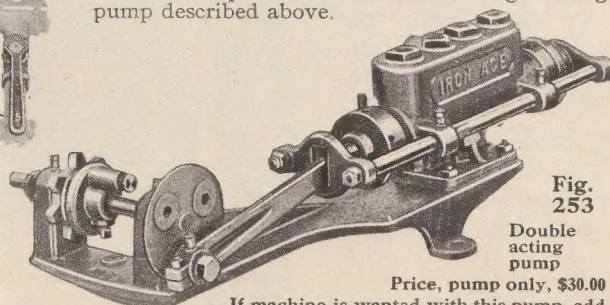


Fig. 253



Double
acting
pump

Price, pump only, \$30.00

If machine is wanted with this pump, add letter "D" to the number

IRON AGE Traction Sprayers—Continued

Steel tank, heavily galvanized after they are made up, to prevent corrosion and rust. Rubber gaskets (Fig. 334) at each end prevent leakage. 55 gallons capacity.

A revolving dasher keeps the solution thoroughly stirred to prevent deposits in bottom of the tank. With this thorough mixing and high pressure, you can safely use strong solutions and be sure that all plants get the same dose.

Each tank has opening on the top for bucket strainer,

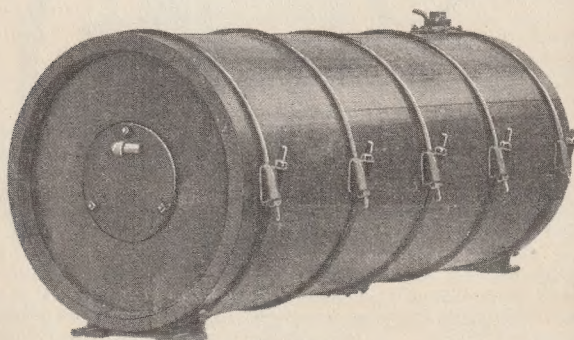


Fig. 251

Wood tank, 55 gallons. If wanted on complete machines, add letter "E" to the number, as No. 102E.

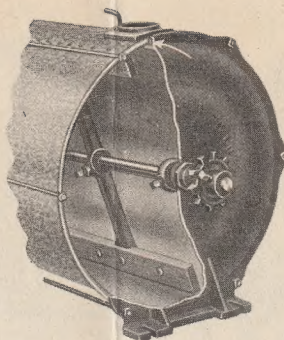


Fig. 334

Showing dasher and gasket

vent pipe for air and surface valve for cleaning tank.

Wood tank. 55 and 100 gallon sizes. Made of best grade of 1 inch cypress and has adjustable steel hoops. Order by adding letter "E" to the number of machine, as No. 102E.

Adjustment for rows 28, 30, 33 or 36 inches apart. One lever does it and pipe can be run in, out of the way, when on the road or for gateways, etc. When ordered, a wide bar will be furnished (at same price) to spray rows 42 inches wide—

order by adding letter "B" to number of machine, as No. 102BD.

New spray nozzles. Beginning 1912, we furnish a new nozzle of our own make (Fig. 431), one that we can recommend as the equal of any nozzle in use.

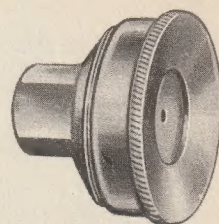


Fig. 431

New Iron Age nozzle.
Used on all traction
sprayers

Wood wheels are furnished unless otherwise specified. They are 50 x 3 inches and adjustable on the axle for various width rows. A long axle is necessary for "B" machines.

Pipe, fittings, hose, etc., are made of the highest grade of material, as are all parts on the sprayers.

No. 105D Four-Row 100-Gallon Traction Sprayer

An extra strong frame carries the additional weight of the 100 gallon wood tank and necessary changes are made to conform to this construction. In other respects, this machine is similar to No. 102.

Other equipment. Has double acting pump, pressure gauge, wind shift attachment, nozzle strainers, and pole

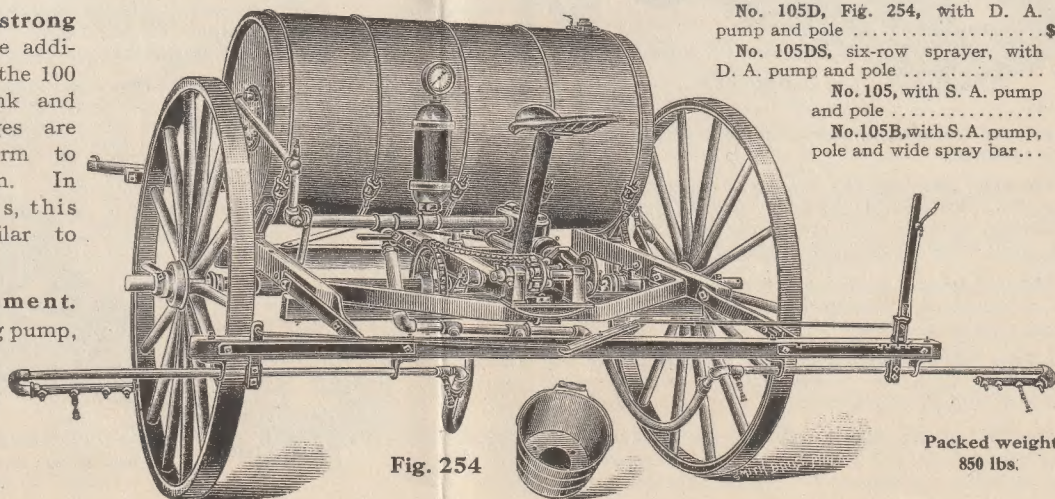


Fig. 254

No. 105D, Fig. 254, with D. A. pump and pole	\$ 95.00
No. 105DS, six-row sprayer, with D. A. pump and pole	103.00
No. 105, with S. A. pump and pole	85.00
No. 105B, with S. A. pump, pole and wide spray bar...	85.00

Packed weight
850 lbs.

IRON AGE No. 105-DS

Six Row Traction Sprayer



Fig. 412. Price \$103.00

Large acreages of potatoes demand quick work, and a machine that will cover six rows is worth all that it costs. It cuts the team travel one third, and you cover ground half as much again as with the four row.

The truck farmer will find another advantage for the six row machine—where he grows combination crops, such as tomatoes and peas, for instance, he can use one horse, extend his six row bar but use only four nozzles, so as to cover his tomatoes only.

Full growing power of the vines is the aim of the progressive potato farmer—the bugs may spoil many big yields or blight may ruin half the acreage because you cannot get over the ground fast enough.

To save the small extra cost involved, the risks are too great—because of the varying conditions of the potato market, there is often

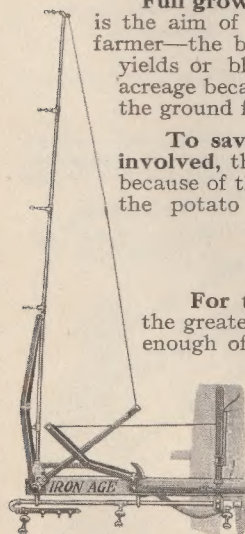


Fig. 385

Folds and locks in one operation

For the grain and potato farmer this is of the greatest value, for such a man may not have enough of either to warrant the purchase of a large outfit for each purpose.

As a systematic, scientific weed killer it will repay the owner many times over.

Brass tubing and other brass fittings cut out all danger of corrosion from the use of sulphate of iron or other strong solutions for this purpose.

Booms fold easily (Fig. 385), and lock in position from the seat, covers 18 feet extended—13 nozzles. No leakage—separate hose to each boom—no extra joints. Will pass through any farm gateway.

Change to potato sprayer takes but a few minutes—simply take off booms.

Pickle Sprayer. Order as No. 108P—is similar to No. 108G—covers 24 to 26 feet or seven rows, 4 feet apart, 16 nozzles. Galvanized tubing instead of brass. Ask us for details.

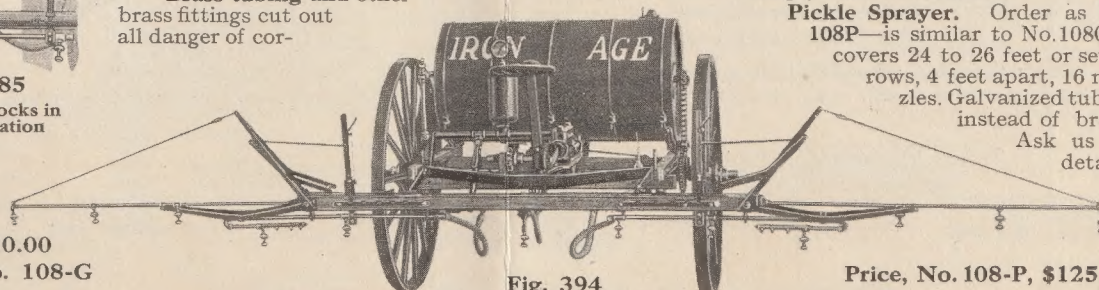


Fig. 394

Price \$150.00
Fig. 394, No. 108-G

Price, No. 108-P, \$125.00

Attachments for *IRON AGE* Sprayers

Twin nozzle attachment.

Fig. 208. Is especially valuable when spraying for blight. The attachment consists of four "Y" couplings and four extra nozzles as shown by solid parts in the cut. When you order sprayers this way add letter "A" to the number, as No. 102DA—means No. 102 with double acting pump and twin nozzle attachment.

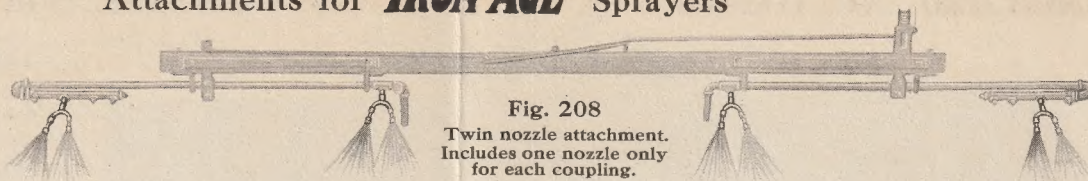


Fig. 208

Twin nozzle attachment. Includes one nozzle only for each coupling.

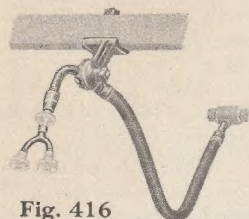


Fig. 416

Solid parts show middle row attachment
Price \$2.00

With nozzle strainer, \$2.50



A

B

C

Fig. 219

Tomato spraying attachment complete . . . \$5.00
Less "C" 3.00

Middle row attachment. Fig. 416. For use when spraying three rows of vine crops, such as cucumbers, tomatoes, cantaloupe, etc. Used only on two horse machines. Is easily attached to center of sprayer bar and is adjustable. The solid parts in the cut show what you get with the attachment—no nozzles are sent at price quoted, but will be furnished when ordered.

Tomato spraying attachment. Fig. 219. Is furnished in three sections, A, B, and C, to do the work in the right way at each stage of the growth of vines. Can only be used with sprayers equipped with pole, and sprays one or two rows, depending on size of the vines. When plants are small, the curved pipes marked "A" spray astride one row and the sides of the next two rows. When plants are medium size, pipes marked "B" are used in the same way. When plants are full grown, one-half of the pipes marked "B" are used in connection with middle row attachment marked "C" for spraying one row only.

Wild mustard attachment.

Fig. 220. To kill this nuisance. Attachment consists of four sections of piping and the four extra nozzles shown solid in the cut.

Nozzle Strainer. Fig. 227. Strains all of the solution and keeps particles of dirt from stopping the flow through

the nozzle. Fig. 227 shows the three parts and fineness of screen. No matter what crops you are spraying, this attachment will be of great value and it is effective. Nozzle strainers are furnished free with each traction sprayer beginning with 1912. If wanted as an attachment order Fig. 227.



Fig. 227

Nozzle strainer attachment. Price \$.75

is sold at the price, but the nozzle can be furnished when ordered. The nozzle shown is the Vermorel, used before 1912. New Iron Age in use now.

Combination pole and thills.

A great many farmers want to be able to use two horses or one on sprayers. The solid parts in Fig. 297 show what is necessary to change Iron Age sprayer thills to combination pole and thills. These extra parts will be furnished for any old machines.

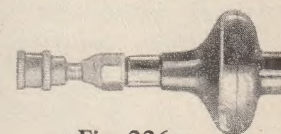
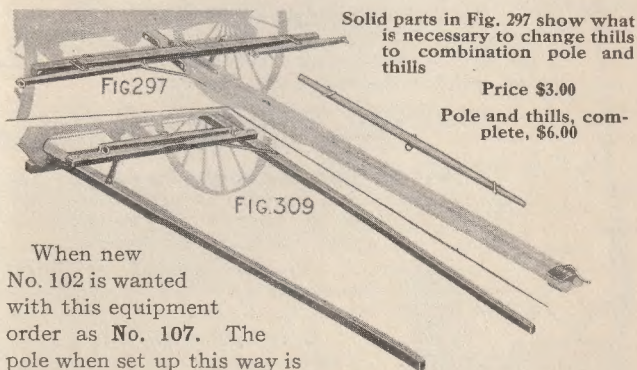


Fig. 226

No nozzle with strainer attachment



Solid parts in Fig. 297 show what is necessary to change thills to combination pole and thills

Price \$3.00

Pole and thills, complete, \$6.00

When new No. 102 is wanted with this equipment order as No. 107. The pole when set up this way is securely attached, well braced and rigid. Extra long doubletrees and neckyoke to permit spraying astride two 36-inch rows.

Fig. 309 represents the thill form and can be supplied this way for any old No. 103, when wanted.

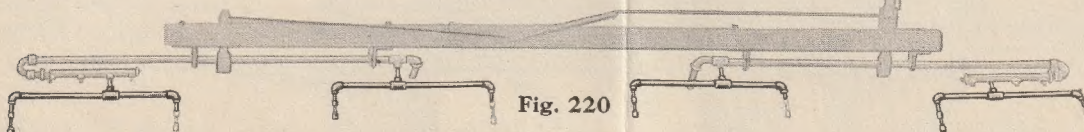


Fig. 220

Solid parts only, included in wild mustard attachment.

Price \$4.00

IRON AGE ORCHARD ATTACHMENTS FOR SPRAYERS

A **Strong Point** in favor of this line of traction sprayers is that we can furnish a complete orchard attachment (Fig. 418), which costs but a small part of the price of the sprayer, but practically doubles its value.

For the **Potato Grower** who also has an orchard of moderate size and realizes the value of a combination that saves buying one machine.

For the **Fruit Man** who finds it necessary to spray trees, grape vines, berry bushes, etc., and sees in this combination a convenient machine worth owning.

It Pays to Spray Consistently and not wait until scale has nearly ruined your orchard before you try the cure. Is your orchard a profitable investment or merely a side issue? The orchard has been known to pay for the farm in two or three years. Take care of the trees and they will take care of you. An equipment like this saves buying two different machines to do two kinds of work. This means economy in first cost, in repairs and in storage room.



SPRAYING FOR SCALE WITH ORCHARD ATTACHMENT ON NO. 102



Fig. 419. Steel pipe rod, stop cock, and 45° L. Price, \$2.00

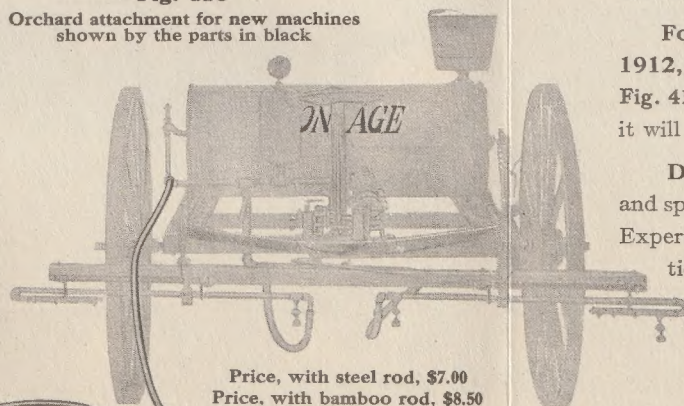


Fig. 420. Bamboo rod, stop cock and 45° L. Price, \$3.50

Two Persons Operate this machine when spraying trees—one drives and pumps, the other directs the spray, which is forced high and very fine, to cover thoroughly. A quarter stroke of the lever does it—can shut off the flow at any time.

Fig. 418

Orchard attachment for new machines shown by the parts in black



Price, with steel rod, \$7.00
Price, with bamboo rod, \$8.50

The Attachment Consists of 25 feet of 4 ply rubber hose and fitting, 10 feet of iron pipe, stop cock, and 45° L (Fig. 418). Note that lever is not a part of attachment for 1912 machines—a steel lever is sent with every traction sprayer. Note also that no nozzle is included.

For Machines Built Previous to 1912, order orchard attachment, Fig. 417, which is as shown, except it will not have a nozzle.

Don't Forget to ask for formulas and spray chart. Write us or nearest Experiment Station for full information.

BATEMAN M'F'G CO.
GRENLOCH, N. J.

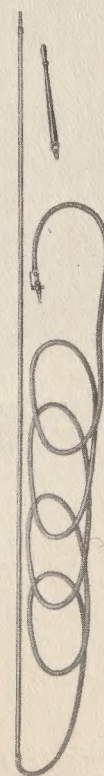


Fig. 417
Price, \$7.00

A convenience and a saving

IRON AGE

IN TOMATOES
WITH FEAS
PLANTED BETWEEN
A HARD PROBLEM
EASILY SOLVED

NO. 1814 OUT-
FIT IN CARRIAGE

A PRACTICAL APPLI-
CATION OF NO. 121
AT HOME



EXTENDING THE
CARRIAGE PRK.
TWO SEASONS BY
SPRAYING

IT DOESN'T
TAKE LONG
TO COVER LARGE
FIELDS WITH THIS
100 GALLON. 2 ROW
SPRAYER



Property of Jason K...